

LUMINAIRE: PEL4-50MM-NL-EDU
 Peloton Led Highbay, Industrial
 4' Linear, Dual-Segment w/ 4 LED Boards, No Lens
BALLAST: XI190C275V054BSG1
BALLAST FACTOR: 1.00
LAMP: Led
FIXTURE LUMENS: 19516
WATTS: 114.33
MOUNTING: Pendant
SHIELDING ANGLE: 0° = 90 90° = 90
SPACING CRITERION: 0° = 1.30 90° = 1.30
LUMINOUS OPENING IN FEET
 LENGTH: 3.79
 WIDTH: 1.42
 HEIGHT: 0.08

TEST #20453

DATE: 4/20/2018

TOTAL LUMINAIRE EFFICIENCY = 100.0

TOTAL LUMENS PER WATT = 171

ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.40

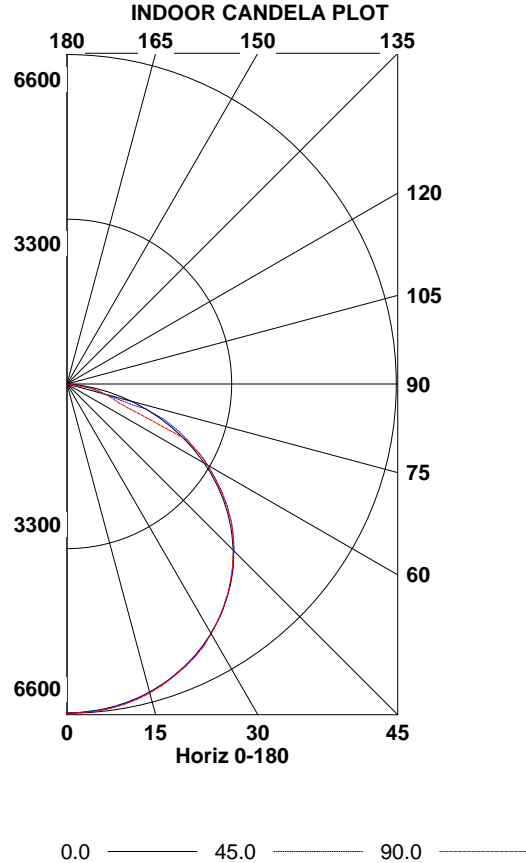
BASED ON 3000 HRS. AND \$.08 PER KWH

ZONAL LUMENS

ZONE	LUMENS	% LAMP	% FIXTURE
0-30	5211	26.7	26.7
0-40	8633	44.2	44.2
0-60	15643	80.2	80.2
0-90	19510	100.0	100.0
90-120	6	0.0	0.0
90-130	6	0.0	0.0
90-150	6	0.0	0.0
90-180	6	0.0	0.0
0-180	19516	100.0	100.0

AVERAGE LUMINANCE

ANGLE	CANDELA/SQ M				
	0.0	22.5	45.0	67.5	90.0
0	13178	13178	13178	13178	13178
30	13170	13004	12922	12867	12924
40	13127	12885	12790	12718	12727
45	13041	12791	12695	12601	12633
50	12903	12607	12548	12447	12544
55	12653	12316	12277	12183	12196
60	12249	11872	11885	11789	11852
65	11672	11291	11308	11235	11202
70	10845	10431	10512	5787	5591
75	9499	9127	5011	5011	5108
80	7458	7044	4131	4114	4234
85	4493	2671	1171	1333	1354



COEFFICIENTS OF UTILIZATION (%)

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%

RC	EFFECTIVE FLOOR CAVITY REFLECTANCE = 20%																							
	80%				70%				50%				30%				10%				0%			
RW	70%	50%	30%	10%	70%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0%
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	102	102	102	100
1	109	104	100	97	106	102	98	95	98	95	92	94	92	89	90	88	87	87	87	87	87	87	87	84
2	99	91	84	79	97	89	83	78	86	80	76	82	78	74	79	76	73	76	76	76	76	76	76	70
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	65	65	65	65	65	65	59
R	4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	57	57	57	57	57	57	50
C	5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	50	50	50	50	50	50	43
R	6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	50	44	44	44	44	44	44	44	38
	7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	40	40	40	40	40	40	33
	8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	36	36	36	36	36	36	30
	9	56	43	34	29	55	42	34	29	41	34	29	40	33	28	39	33	33	33	33	33	33	33	26
	10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	30	30	30	30	30	30	24

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.
 ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.
 THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: _____

LUMINAIRE: PEL4-50MM-NL-EDU
Peloton Led Highbay, Industrial
4' Linear, Dual-Segment w/ 4 LED Boards, No Lens

TEST #20453
DATE: 4/20/2018

CANDELA VALUES

ANGLE	0.0	22.5	45.0	67.5	90.0
0.0	6589	6589	6589	6589	6589
2.5	6583	6583	6584	6585	6591*
5.0	6566	6567	6569	6571	6582
7.5	6539	6539	6543	6546	6561
10.0	6501	6501	6506	6508	6525
12.5	6451	6450	6457	6455	6476
15.0	6387	6388	6394	6390	6412
17.5	6314	6314	6317	6314	6331
20.0	6228	6229	6230	6229	6238
22.5	6134	6132	6135	6132	6148
25.0	6025	6022	6025	6021	6045
27.5	5904	5900	5905	5898	5926
30.0	5772	5764	5772	5765	5778
32.5	5626	5617	5627	5620	5622
35.0	5468	5458	5472	5464	5462
37.5	5299	5287	5303	5297	5296
40.0	5117	5105	5124	5117	5105
42.5	4923	4913	4935	4925	4912
45.0	4708	4708	4734	4723	4718
47.5	4483	4484	4523	4513	4512
50.0	4251	4250	4296	4287	4302
52.5	3996	3995	4056	4047	4050
55.0	3738	3739	3796	3794	3779
57.5	3464	3458	3531	3529	3516
60.0	3174	3179	3253	3254	3252
62.5	2881	2890	2967	2971	2968
65.0	2578	2596	2670	2680	2653
67.5	2270	2289	2368	2202	1574
70.0	1962	1985	2068	1153	1104
72.5	1644	1673	1649	951	957
75.0	1326	1362	781	794	800
77.5	1019	1062	619	636	646
80.0	725	754	470	479	485
82.5	461	282	327	105	108
85.0	243	171	83	98	97
87.5	83	47	67	61	59
90.0	5	14	11	6	2
92.5	1	6	5	4	1
95.0	1	4	5	3	1
97.5	1	2	4	3	1
100.0	1	2	3	2	1
102.5	1	1	2	2	1
105.0	1	1	2	2	1
107.5	1	1	2	1	1
110.0	0	0	0	0	0
112.5	0	0	0	0	0
115.0	0	0	0	0	0
117.5	0	0	0	0	0
120.0	0	0	0	0	0
122.5	0	0	0	0	0
125.0	0	0	0	0	0
127.5	0	0	0	0	0
130.0	0	0	0	0	0
132.5	0	0	0	0	0
135.0	0	0	0	0	0
137.5	0	0	0	0	0
140.0	0	0	0	0	0
142.5	0	0	0	0	0
145.0	0	0	0	0	0
147.5	0	0	0	0	0
150.0	0	0	0	0	0
152.5	0	0	0	0	0
155.0	0	0	0	0	0
157.5	0	0	0	0	0
160.0	0	0	0	0	0
162.5	0	0	0	0	0
165.0	0	0	0	0	0
167.5	0	0	0	0	0
170.0	0	0	0	0	0
172.5	0	0	0	0	0
175.0	0	0	0	0	0
177.5	0	0	0	0	0
180.0	0	0	0	0	0

*MAXIMUM CANDELA VALUE